Phlo, Carolinu, L., var. noutu, Benth. $=P$. ovata, L.-Gray, 1. c., p. 249.
Phlox prorumbens, Lehm. = P. umenu, Sims.-Gray, 1. c., p. 251.
Physalis riscosa, Gray's Man.=P. I'irginiet, Mill.—Gray, Proc.Am. Acad., 10. p. 65. The true $P$. ciscosif of Linn. is a southern plant, which ranges from North Carolina to Florida.

Chenopodium nlbum, L., var. Bossionum, Gray=C. Bosciumm, Moq.-Watson, in Proc. Am. Acall., 9. p. 94.

Rumex Brituniru, L. $=$ R. ultissimus, Wood.-Gray, in Proc. Am. Acad., 8. p. 399.
Rumer orbiculutus, Gray-R. Britımier, L.-Gray 1. c.
Chenopodium gluucum, L.=Blitum glturum, Koch.-Watson, l. c., p. 101.
Polygomum acicultre, L., var. erectrm, Roth. $=P$. ereetnm, L. - Watson, Am. Nat., 7. 1. 664.

The following changes in the genus Carex are found in Olney's Catecs BorealiAmericunce:

Curex crus-eorni, Shuttlew.=C. Ňutallii, Schw.
C. retroflem, Muh1.=C. rusea, Schk., Var., Omey.
C. cunescens, L. var. citilis, Boott=C. citilis, Fries.
C. $\quad$ rila, Schw. © Torr:= C'. Muslingumensis, schw.
C. cristutu, Schw = ('. Legopodinitles, Schk., var. cristute, Carey.
C. rristutu, Senw., var. mirabilis, Boott=C. lugopoctinides, Schk., var. mirubilis, Olney.
C. adusta, Boott=C. alloo-lutescens, Schw.
C. fient, Willd., var.(?) subulomum, Boott=C. silicer, Olney.-Proc. Am. Aead., 7. p. 393.
C. straminea, Schk., var. tenera, Boott=C. temera, Dew.
C. strominert, Schk., vill. upertu, Boott=C. tenert, Dew., var. mujor, Olney.
C. stromines, Achk., var. hyuline, Boott=C'. stromineer, Schk., var. Croncei, Boott.
C. Burruttia, Schw. \& Torr-= '. ittorulis, Schw.
C. Ernginntn, Tausch.-C'. penicer, L., var. refructu, Olney.
C. Mondii, Dew. =C. peniers, L., var. Mendei, Olney.
C. tetemica, Sclak.=C. pmineen, L., sar. tetnnic, Olney.
C. Cracei, D ew. $=$ C. miorndoutn, Torr.
C. ustioulis, M. A. Curtis=C. cirescers, Muhl., var. usticulis, Olney.
C. Ederi, Ehrh.=C. ciridulu, Mx.
C. polymemphu, Muhl.=(C. pmiret, L., var. scariosu, Olney.
C. rotumdutn, Wahl.!=C: miliuris, Mx., var.? Olney.-Tıos. C. Porter, Einston, Pemnsylcouic.

Cuscuta racemosa,-That "new" Cusintal recemose, the Alfalfa-Dodder, was, after all, not new to Prof. Thurber and to the readers of the "American Agriculturist." By an unpardonable oversight his article in the number of December, 1874, of that journal adorned with a cut, wat overlookel not only in the notice published in the "Gazette" of January, but also in the Flora of Californis, pablished last summer. It seems that the parasite has made its appearance in California at least three years ago on Lazerne fields and its nature and dangerous character was recognized by Prof. Thurber and the means andicated to eradicate it. The little notice of this plant in the Jannary number of the Gazette has elicited the information from California that the parasite is "now well naturalized here (about San Frameisco Bay), and is a great pest among the Chili clover."-G. E.

Forking Ferns.-In the Nov. number of the Gazette a correspondent gives an instance of the forking of the fertile spike of Butrychium Virginimum, Swz. (This is the correct orthography, and it should allwas be so written. B. Virginicum is the later orthograply of Willdenow, and not of Swartz.), and refers it to an injury received by
the plant when growing. I have observed the same phenomena, and apparently from the same cause, in other species, but it sometimes occurs when the plant has not received any injury. I have a specimen of $B$. Virgimanum with two perfect fertile spikes, the common stalk forking just above the mion with the sterite frond. The tendency to fork on the part of our ferns I have found to be quite common. I have noticed and received from correspondents, numerons specimens of the different genera and species. Some curious examples occur in Cauptosmas, some specimens forking directly from the simply auricled base, making a double frond, and others forking from the longattenuated tips.

In Dicksonit I have observed specimens in which not only the frond but the pinne also were forked.-Geo. E. Davenport.

Aspidium spintiosum, Swz--What makes varieties? I do not know that I clearly apprehend the meaning of your correspondent who im the Nov, number inquires if his specimen of this species may not be "another of the many plants where the so-called 'varieties' are merely forms with individual instead of local peculiarities," but I have always supposed that it was individual peculiarities that made varieties. A plant that depended altogether upon local influences for its character would be veryapt to run back into the normal form of the species on being removed from those local influences and such a plant I should not consider as a variety at all. If it be local pecularities that make varieties then how does it happen that all of the plants growing within the ranges of the same local influences are not always of the same character? Within an area containing at least half an acre of Aspidium spinulosum, in the vicmity of Boston, I find many forms of spinulosum all growing together and subject to the same local influences, and I fail to see how two plants of one species growing side by side, under precisely the same influences, can have two distinct forms if it is local influences alone that make their peculiarities. Rather I should say that these peculiarities came from some canse inherent in the plants themselves and that, therefore, it is individnal and not local peculiarities that make varieties.-Geo. E. Davenport.

Pyrus Americana, DC.-This beautiful tree makes its home in central Pennsylvania near the sumit of the mountains, marking with uniformity a line of about 1,300 to 1,400 feet above tide. As you climb the steep ascent of Tussey and Bald Eagle mountains, among masses of broken rocks covered with licheus, at trio of heantiful small trees attracts your attention-Pyrus Americaun, DC., Betnlu pupyracen, Ait., with its white bark and graceful spray, and Acer Pemusylennir,mm. These all seem to love a lofty exposure, and thrive on the scanty dehris of shattered rocks. Arer Pennsylcanicume is often met with at lower elevations. Ascend either of these momntains in their trend to the north east through Huntingdon and Centre counties, your approach to their summit is heralded by clumps of the Bireh and Pyrus Amerifomm. There is, howerer, a marked exception to this habitat of high exposure. The Pyrus Americame makes a sudden descent of about $\% 00$ feet to the base of Tussey Mountain. Two miles east of Spruce Creek Station on the Pennsylvania Rail Road a small colony of a dozen bushes, dwarfed to six feet in height, is fonnd growing over an area of a half acre of rocks. The reason for this departure from the usual elevation of the tree is found in the tact that below these rocks perpetual ice ereates a cold atmosphere. This interesting locality, sheltered from the dired action of the sun ly the precipitons montain side and the erosion in it made by water action in an earlier era, has the cool, damp atmosphere of ${ }^{\circ}$ ice in the warm days of Angust. The ice is concealed by rocks covered with a vigorous growth of mosses, shrubs and trees, and is found [in August] some three feet below the surface.

In the same locality grows Pimus Strohns, L., Ahies Commensis, Michx., Mitchella repens, L., Rulus strigosus, Michx., Fragurin cescro, L., Ribrs prostrahum, L'Her., Heurheca pubesceus, Pursh.-J. R. L.

